

1.1 Practice A**Solve the equation. Check your solution.**

1. $x + 4 = 11$

2. $n - 14 = 20$

3. $-6 + k = -9$

4. $2\pi + d = 5\pi$

5. $y - 1.4 = -2.7$

6. $\frac{2}{5} = w - \frac{3}{2}$

7. Your school's football team scored 49 points. Your team's score was 19 points more than the opponent's score s . Write and solve an equation to find the opponent's score.

Solve the equation. Check your solution.

8. $5y = 40$

9. $\frac{d}{9} = -2$

10. $1.2 = -3b$

11. $\frac{x}{4.1} = -2$

12. $\frac{2}{5}p = \frac{3}{5}$

13. $-4.5 = -1.2k$

14. You earn \$7.50 per hour to help your uncle in his shop. You earn \$33.75. Write and solve an equation to find how many hours you worked.

Solve the equation. Check your solution.

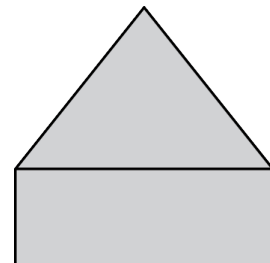
15. $s - |-4| = 7.3$

16. $p + 1.6 \div (-0.4) = -12$

17. Without solving, determine whether the solution of $\frac{1}{3}x = 21$ is *greater than* or *less than* 21. Explain.

18. The volume V of the cylinder is 65π cubic centimeters. The height h of the cylinder is 5 centimeters. Use the formula $V = Bh$ to find the area B of the base of the cylinder.

19. The total area of this shape is 44 square inches. The area of the triangle is 20 square inches. Write and solve an equation to find the area of the rectangle.



1.1 Practice B

Solve the equation. Check your solution.

1. $-13 + x = -25$

2. $h + 4\pi = 30\pi$

3. $4.5 = m + 2.75$

4. $a - \frac{3}{4} = \frac{2}{3}$

5. $\frac{1}{6} = \frac{5}{12} + p$

6. $c - 2.3 = -5.1$

7. You shopped online and found your MP3 player for \$9.75 less than the store price p . The online price was \$64. Write and solve an equation to find the store price.

Solve the equation. Check your solution.

8. $-1.6x = 8$

9. $\frac{h}{2\pi} = 4.3$

10. $\frac{4}{3} = \frac{2}{15}j$

11. $-23.6 = 5.9t$

12. $6\pi = -2\pi q$

13. $\frac{3}{7}w = -4$

14. The area of a rectangle is 55.8 square inches. The width of the rectangle is 4.5 inches. Write and solve an equation to find the length of the rectangle.

Solve the equation. Check your solution.

15. $5.6 \div 0.4 - r = -8$

16. $n - 5 \cdot \frac{2}{3} = \frac{3}{4}$

17. Write an addition equation and a multiplication equation that each have a solution of -5 .

18. A fruit basket contains oranges and grapefruits. One-third of the oranges and one-fourth of the grapefruits were spoiled. You threw away 4 oranges and 7 grapefruits. How many pieces of fruit were in the basket?

19. You and two friends pay \$40 for tickets. The cost was divided three ways in the ratio 1 : 3 : 6. How much did each person pay?